LOUISIANA WATER QUALITY MANAGEMENT PLAN

VOLUME 8

WASTELOAD ALLOCATIONS/TOTAL MAXIMUM DAILY LOADS AND EFFLUENT LIMITATIONS POLICY

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LOUISIANA WATER QUALITY MANAGEMENT PLAN

WASTELOAD ALLOCATIONS AND DISCHARGER INVENTORY
INTRODUCTION

This volume of the Louisiana Water Quality Management Plan (the Plan) includes the policies and guidelines which form the basis for the effluent limitations set forth in Louisiana Department of Environmental Quality (LDEQ) wastewater discharge permits. In order to meet the requirements of Federal Water Quality Planning and Management regulations, 40 CFR Part 130, policies have been developed and/or wasteload allocations established through water quality modeling efforts, and these are described within this document. Based upon these policies or wasteload allocations, effluent limits are established to ensure that water quality standards are met and designated uses are protected in the receiving streams. The effluent limits and policies contained herein supersede those contained in previous editions of the Louisiana Water Quality Management Plan.

Any facility which is discharging into any waters of the state is required by law to apply for a wastewater discharge permit. All dischargers must submit a permit application to the LDEQ, Office of Environmental Services, Permits Division.

For the purpose of identifying those waterbodies which are not meeting water quality standards, an analysis of current water quality data is performed for all ambient water quality monitoring sites every two years. Utilizing this data analysis, the State prioritizes those waterbodies for development of total maximum daily loads (TMDL's) and wasteload allocations. Some of these waterbodies may require implementation of additional control measures to meet water quality standards. Those waterbodies which are not meeting applicable water quality standards are classified as *water quality limited*. The main stems of the Atchafalaya River (segments 0101, 0102, 0105, 0108), the Red River (segments 1001, 1002), and the Mississippi River (segments 0701, 0702, 0703) are classified as effluent limited. These major rivers are classified as effluent limited because they are expected to meet applicable water quality standards due to their large assimilative capacity. Sanitary waste treatment facilities which discharge directly into one of these major rivers or into any river, bayou, canal, or distributary of one of these rivers having a 7Q10 flow greater than or equal to the minimum 7Q10 flow of any of these three rivers are required to meet secondary levels of treatment. All other waterbodies of the state are classified based upon the assessment of current water quality data; these classifications are provided in the State's biennial water quality report, known as the *305(b) Report* or *the Integrated Report*. Facilities discharging into water quality limited waterbodies will be assigned effluent limits on a case-by-case basis as TMDL's are developed. These classifications will be revised as data becomes available which, upon evaluation, justifies a change in classification.

The assignation of effluent limitations is based on the designated uses of the receiving waterbody, the water quality in the area, the number and type of discharges to the waterbody, and the assimilative capabilities on the waterbody in question. The State has a number of assignation policies which are used to address these and other pertinent factors in decisions regarding the preservation of water quality. The procedural conditions applied in the development of effluent limits for discharge permits are explained below.

(1) ANALYTICAL BASIS FOR DEVELOPMENT OF EFFLUENT LIMITS

All facilities (unless in an area specifically identified in the Areawide Policies or TMDL Based Limitations) with discharge flows of 25,000 gallons per day (GPD) or less are normally assigned secondary levels of treatment. Facilities with flow greater than 25,000 GPD are assigned limits based on the Statewide Sanitary Effluent Limitations Policy located in Appendix B. As time permits and TMDL's are developed, such facilities may be assigned limits on a case-by-case basis. In its assessment of discharges and development of necessary effluent limits the LDEQ may use the expected flow of discharge rather than the design capacity of the facility.

For permit writing purposes, the total suspended solids (TSS) effluent limitations shall be based on a case-by-case evaluation of the treatment technology utilized. Since there is no numeric water quality criterion for TSS, these limitations are not water quality based. However, under no circumstances shall final TSS effluent limitations be less stringent than secondary treatment levels as defined in LAC 33:IX.709.

(2) INDIVIDUAL DISCHARGE ANALYSIS

It is to be noted that the limits applied in this plan are minimum limits. The LDEQ reserves the right to perform individual analyses for any particular discharge should such analyses be warranted based upon the LDEQ's assessment of ambient conditions, chemical characteristics and/or physical characteristics of the effluent being discharged. The LDEQ also reserves the right to assign an effluent limitation based upon the individual analysis, regardless of any previously established effluent limitation. Should any discharger be dissatisfied with the effluent limitation assigned in the Plan, then such discharger will be responsible for meeting any limit assigned through the execution of a subsequent individual analysis (wasteload allocation/total maximum daily load –TMDL-determination), regardless of whether the latter limit is more or less stringent than that which currently appears in the Plan. In all cases the LDEQ will follow standard procedures required for public review and comment for the effluent limits.

(3) AGGREGATE AREAL DISCHARGE FLOWS

The allocations appearing in the Plan normally apply to discharges which impact a receiving stream as single point sources. It may occasionally happen that a concentration of small dischargers have resulted in a total discharge to a common waterbody in such a manner that the combined water quality impact approximates that of a single point source discharge of considerably greater magnitude than any of the individual dischargers. In such a case, the LDEQ reserves the right to assign effluent limits to each individual discharge within the impacted area as though its flow were equal to the aggregate discharge flow of the discharger within that area. This procedure will be used for facilities whose individual discharge volumes are 25,000 GPD or less. Some examples of such cases are: a residential subdivision in which each residence has its own treatment facility; a number of subdivision treatment facilities in close proximity to one another; or, a group of commercial facilities such as restaurants, gas stations, office buildings, trailer parks, etc., each having its own treatment facility.

(4) INDUSTRIAL EFFLUENT LIMITATIONS

Effluent limitations set forth in industrial wastewater discharge permits are based upon approved EPA effluent guidelines for a facility type, if available, or best available technology/ best practicable technology when guidelines are not available. Certain types of minor industrial facilities are covered by LDEQ general permits. All industrial facilities permitted as such are subject to permit reissuance in the event that a TMDL is developed for the receiving stream into which they discharge. Wasteload allocations based upon an approved TMDL will result in water-quality-based effluent limitations which may be more stringent than technology-based limits. If it is otherwise determined by the LDEQ that a water-quality-based permit is required, then the effluent limitations will be derived according to the guidelines described in the *Permitting Guidance Document for Implementing Louisiana Surface Water Quality Standards, Volume 4 of the Water Quality Management Plan*.

(5) COMPLIANCE SCHEDULES

The LDEQ will assign compliance schedules for dischargers which are currently operating treatment facilities under the authority of a wastewater discharge permit, but whose effluent limits do not currently appear in the certified State Water Quality Management Plan. The compliance schedule will detail the timeframe within which each permitted facility must upgrade its treatment level to conform to that indicated by subsequent wasteload allocations.

These policies are located as appendices at the end of this document and are as follows:

Appendix A: (AELP)- This appendix contains a list of areawide policies for waterbody segments.

Appendix B: (SELP) - This appendix contains policies for establishing effluent limitations for sanitary waste treatment facilities which supersede limits assigned in the original 1980 Basin Plans.

ATCHAFALAYA RIVER BASIN

TMDLS/WLAS

BARATARIA BASIN

TMDLS/WLAS

Fecal Coliform TMDLs
For
Barataria Basin Subsegments

020401 Bayou Lafourche

http://www.epa.gov/earth1r6/6wq/ecopro/latmdl/lafourche_fctmdl052104_f.pdf

020701 Bayou Segnette

http://www.epa.gov/earth1r6/6wq/ecopro/latmdl/segnette_%20fctmdl052104_f.pdf

Hg TMDL for Coastal Waters of Barataria Basin

http://www.epa.gov/earth1r6/6wq/ecopro/latmdl/2005tmdls/redr_lahgtmdl_12apr2005text.pdf

020101

Bayous Verret, Chevreuil, Citamon, and Grand Bayou

TMDL for BOD

	Summer (May-Oct)		Winter (Nov-Apr)	
	Reduction	Load (kg/day)	Reduction	Load (kg/day)
Point Source WLA	0%	7	0%	7
Point Source Reserve MOS (20%)		2		2
Natural Nonpoint Source LA	46%	2321	0%	3091
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	100%	0	98%	49
Man-made Nonpoint Source MOS (20%)		0		12
TMDL	--	2330	--	3161

File Number	Company	Facility	UTM Coordinates	Receiving Water	Expected flow (MGD)	BOD5 (mg/L)
LAG540340 WG020847	GREENBRIAR SEWER INC	GREENBRIAR SUBD.	3320819.595686 88394.17644	BAYOU VERRET	0.012	avg 30
LAG530914	BOH CONST CO	IMC AGRICO FAUSTINA PLT	3330054.711297 00381.52321	St James Ph Canal thence to Bayou Verret	0.0002	max 45
LAG540673	ST JAMES FACILITIES CORP	ST JAMES YOUTH CTR	3331017.511516 92486.29922	Unnamed ditch to Bayou Verret	0.0111	avg 30, max 45
LAG540680	ST JAMES PH HOUSING AUTHORITY	HYMEL HOUSING PROJ/WELCOME	3327233.75729 705454.73704	Local drainage to Bayou Chevreuil	0.0147	avg 30, max 45
LAG560016	ABBY SANITARY SEWERAGE CORP	ABBY PLANTATION MHP	3304456.29959 706105.72376	ST. JAMES CANAL	0.036	avg 20
LA0000035	CALDWELL SUGARS COOPERATIVE, INC.	CALDWELL SUGAR MILL	3299903.296397 09128.73229	GRAND BAYOU	0.72	avg 10
LAG530788	TEXAS FUEL & ASPHALT	EAGLE ASPHALT PROD	3331539.295617 00541.67674	Local drainage to Bayou Verret		max 45

020102, 020103

Bayou Boeuf, Halpin Canal, Theriot Canal, and Lake Boeuf

TMDL for BOD

TMDL for subsegment 020102 (sum of CBODu, NBODu, and SOD).

	Summer (May-Oct)		Winter (Nov-Apr)	
	Reduction	**Load (kg/day)**	**Reduction**	**Load (kg/day)**
Point Source WLA	0%	123	0%	123
Point Source Reserve MOS (20%)		31		31
Natural Nonpoint Source LA	37%	2732	0%	3772
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	100%	0	92%	420
Man-made Nonpoint Source MOS (20%)		0		105
TMDL	--	2886	--	4451

TMDL for subsegment 020103 (sum of CBODu, NBODu, and SOD).

	Summer (May-Oct)		Winter (Nov-Apr)	
	Reduction	**Load (kg/day)**	**Reduction**	**Load (kg/day)**
Point Source WLA	0%	0	0%	0
Point Source Reserve MOS (20%)		0		0
Natural Nonpoint Source LA	37%	9003	0%	13360
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	100%	0	92%	7
Man-made Nonpoint Source MOS (20%)		0		2
TMDL	--	9003	--	13369

020301

Bayou des Allemands

TMDL for BOD

TMDL for Bayou des Allemands (Sum of CBODu, NBODu, and SOD).

	Summer (May-Oct)		Winter (Nov-Apr)	
	Reduction	**Load (kg/day)**	**Reduction**	**Load (kg/day)**
Point Source WLA	0%	16	0%	16
Point Source Reserve MOS (20%)		4		4
Natural Nonpoint Source LA	0%	37374	0%	32756
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	86%	2251	0%	12499
Man-made Nonpoint Source MOS (20%)		563		3125
TMDL	--	40208	--	48400

Information for point source discharges in subsegment 020301.

FILE NUMBER	COMPANY	FACILITY TYPE	LOCATION	RECEIVING WATER	EXPECTED FLOW (MGD)	BOD5 LIMIT (MG/L)
LAG750349	Phat Daddy’s	Commercial Car Wash	"Raceland, 1556 Hwy 90 e, lot #9"	"Godchaux Canal, via local drainage"		
LA0003239	Raceland Raw Sugars Corporation	"Sugar Mill, Raw Sugar & Molass"	"Raceland, Hwy 3199 & Mill St"	Godchaux Canal		Average 10
LAG540909	Gibbens & Lefort Inc Presto Fuel Center LLC	Truck Stop/Convenience Store/Rrest	"Raceland, on Hwy 90 e; 3 m e of LA 1"	Godchaux Canal	0.0075	Average 30
LAG530277, WG-010101	Judy's Trailer Park	"1,800 gpd Mechanical STP"	"des Allemands, Hwy 90"	Unnamed canal-Bayou des Allemands	0.0018	
WG110021	Somme's Lucky 7 Truck Stop	Service Station	des Allemands, 4298 Hwy 90			

020401

Bayou Lafourche

TMDL for BOD

020501

Main Canal and Ancillary Canals

TMDL for BOD

TMDL for Main Canal (Sum of CBODu, NBODu, and SOD).

	Summer (May-Oct)		Winter (Nov-Apr)	
	Reduction	Load (kg/day)	Reduction	Load (kg/day)
Point Source WLA	0%	268	0%	268
Point Source Reserve MOS (20%)		67		67
Natural Nonpoint Source LA	32%	287	2%	389
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	100%	0	100%	0
Man-made Nonpoint Source MOS (20%)		0		0
TMDL	--	622	--	724

Discharger Information for 020501

File Number	Company	Facility	Facility Type	Receiving Water	Expected Flow (Mgd)	Bod5 (Mg/L)	Tss (Mg/L)
La0093157	Southern Recovery Mgmt Inc	Greater New Orleans Landfill	Sanitary Landfill	Dusuaus Canal, Sellers Canal - B Verret - Lake Cataouatche	--	Avg 30, Max 45	Avg 90, Max 135
						Avg 30, Max 45	Avg 90, Max 135
La0099473	River Birch Inc	River Birch Landfill	Sanitary Landfill	Sauls Canal - Waggaman Canal - Outfall Canal - Lake Cataouatche	0.23+	Avg 30, Max 45	Avg 30, Max 45
						Avg 45	--
La0072214	Browning-Ferris Ind (Bfi)	Area Ninety Landfill, Inc	Sanitary Landfill	Inner Cataouatche Drainage C – Outer Cataouatche Drainage C - B Verret - Lake Cataouatche	--	Avg 30, Max 45	Avg 90, Max 135
La0059871	Paktank Corp	Westwego Terminal	Liquid Bulk Terminal Stormwate	Bayou Segnette (Via Canals And Ditches Within Subsegment 020501)	--	--	Max 90
La0089052	Jefferson Ph Dept Of Public Works	Jefferson Ph Ldfl	Landfill	Waggaman Canal - Outfall Canal - Lake Cataouatche	--	Avg 30, Max 45	Avg 90, Max 135

020701

Bayou Segnette

TMDL for BOD

TMDL for Bayou Segnette (Sum of CBODu, NBODu, and SOD).

	Summer (May-Oct)		Winter (Nov-Apr)	
	Reduction	Load (kg/day)	Reduction	Load (kg/day)
Point Source WLA	0%	1	0%	1
Point Source Reserve MOS (20%)		0		0
Natural Nonpoint Source LA	34%	9589	0%	12075
Natural Nonpoint Source MOS (0%)		0		0
Man-made Nonpoint Source LA	100%	0	71%	3091
Man-made Nonpoint Source MOS (20%)		0		773
TMDL	--	9590	--	15940

Information for point source discharges in subsegment 020701

File Number	Company	Facility	Facility Type	Receiving Water	Expected flow (MGD)	BOD5 (mg/L)
LAG530881	Master Lube of LA, Inc.		Oil Lube Cntr	Estelle Canal	0.001	45
LAG530921	Jefferson Parish Dept. Drainage Pump Sta.	Ames Pump Sta.	Drainage Pump Station	Bayou Segnette (via Millaudon Canal)	0.00008	45
LAG110008	Lafarge Construction Materials	Westbank Plant	Ready Mix Concrete Plant	Bayou Segnette		
LA0108022	Hilcorp Energy Co.		Oil/Gas Exp. Prod. &Dev.	B. Segnette, Dugas C, Outer Cataouatche		
LAG530923	Jefferson Parish Dept. Drainage Pump Sta.	Westminster Lincolnshire Pump Sta.	Drainage Pump Station	Bayou Segnette (via unnamed canal)	0.00008	45

CALCASIEU RIVER BASIN

TMDLS/WLAS

TMDLs for Toxic Pollutants
For
Calcasieu River Basin Subsegments

EPA's Calcasieu River Basin TMDLs for Selected Toxics
http://www.epa.gov/region6/water/ecopro/latmdl/calctoxics(f).pdf

030701 Bayou Serpent for Fipronil (pesticide)
http://www.epa.gov/region6/water/ecopro/latmdl/serpent_fipronil(f).pdf

031201 EPA's TMDL for Mercury
http://www.epa.gov/region6/water/ecopro/latmdl/coastalcalchg(f).pdf

TMDL for Lead
for
Calcasieu River
030101, 030102, 030103

TMDL for lead = 0.287 lb/day

WLA = 0

LA = 0.229 lb/day

Fecal Coliform TMDLs
For
Calcasieu River Basin Subsegments

030305 Contraband Bayou

http://www.epa.gov/region6/water/ecopro/latmdl/fccontraband(f).pdf

030103

Kinder Ditch

Wasteload Allocation (WLA)

Facility: Town of Kinder STP

LPDES # LA0020605

Effluent Limits: Summer 5 mg/L $CBOD_5$/ 2 mg/L NH_3-N/ 6 mg/L DO
Winter 10 mg/L $CBOD_5$/ 10 mg/L NH_3-N/ 6 mg/L DO

030601, 030602

Barnes Creek

TMDL for BOD

Total Maximum Daily Load for Barnes Creek, 030602 (to meet 5.0 mg/L Dissolved Oxygen criterion)

(Sum of CBOD, NH_3-N, and SOD)

ALLOCATION	Summer	Winter
	May – Oct (lbs/day)	Nov - Apr (lbs/day)
Point Source WLA*	1144	1144
Point Source Reserve MOS	286	286
Total Nonpoint Source LA	1786	1208
Total Nonpoint Source Reserve MOS	445	301
Total Nonpoint Reduction	70%	70%
TMDL	3661	2939

* The City of DeRidder was the only significant discharger located on Barnes Creek. This discharger is located in subsegment 030601. The seasonal summer dissolved oxygen standard for this subsegment is 2.0 mg/l. No reductions in permit limits for The City of DeRidder are required to maintain this seasonal standard.

Limits for all other facilities in these subsegments are generally set by state policy or guidelines and can continue as such.

City of DeRidder
LA0038407
3.03 MGD
10 mg/L BOD_5/15 mg/L TSS

030603

Marsh Bayou

TMDL for BOD

TMDLs and LAs for Marsh Bayou, 030603 (to meet 5.0 mg/L DO criterion)

Loading Description	Summer season (May – Oct.) BOD Load (lbs./day)	Winter season (Nov. – April) BOD Load (lbs./day)
Total point source allocations* (WLA)	0	0
Point source margin of safety (MOS)	0	0
Headwater/Tributary Loads	95	110
Benthic Loads (based upon nonpoint and SOD loads used in the projection)	714	490
Total maximum daily load (TMDL)	809	600
Nonpoint source margin of safety (MOS for benthic and boundary loads)	0	0
Natural Nonpoint Load	809	600
Man-Made Nonpoint Load	0	0

* Based on available LA DEQ permit data available at the time this TMDL was developed, there were no facilities that were known to be discharging into Marsh Bayou or any of its tributaries.

030701

Bayou Serpent

TMDL for BOD

Total Maximum Daily Load (Sum of UCBOD, UNBOD, and SOD) for Bayou Serpent, 030701

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAR-NOV) (lbs/day)	% Reduction Required	(DEC-FEB) (lbs/day)
Point Source WLA	0	35	0	35
Point Source MOS (20%)	0	9	20	9
Nonpoint Source LA	90	545	50	3471
Nonpoint Source MOS (0% Summer; 10%, Winter)	0	0	10	371
TMDL		589		3886

The discharger inventory for the Bayou Serpent watershed was reviewed. There are only 4 dischargers listed in the LDEQ Permit Tracking System. These facilities were evaluated based on the volume of their discharge, their location with respect to the listed waterbody, any water quality data which demonstrated their impact or lack of impact, whether or not the NPS contribution included any small facilities, and best professional judgment. Only the Village of Fenton was considered to have any ability to impact the target reaches. The Village of Fenton discharges to an unnamed ditch which flows 1.68 miles to Little Bayou thence 5.35 miles to Bayou Serpent. An uncalibrated model was performed for the receiving stream for the Village of Fenton STP: the Unnamed Ditch to Little Bayou to Bayou Serpent. The uncalibrated model showed that Fenton has no impact on either Little Bayou or Bayou Serpent. The results of the uncalibrated model were entered in the summer projection model for Bayou Serpent. The list of facilities and the modeling decision for each is shown on the following page.

Discharger Inventory for Subsegment 030701

FACILITY	FILE_NUM	Out-fall No.	OUTFALL DESCRIPTION	FAC_TYPE	REC_WATER	EXPECTED FLOW, GPD	BOD, mg/L	TSS, mg/L	MODELING COMMENTS
KINDER COMP. STA. 823	LA 0045918	1	storm water runoff, treated sanitary from 101, equipment washwater, condensed water from air compressor system, and building floor drainage	NATURAL GAS COMPRESSOR STATION	UNNAMED DITCHES - GUM BAYOU-SERPENT BAYOU				No Impact - Not modeled
KINDER COMP. STA. 823	LA 0045918	101	sanitary sewage	NATURAL GAS COMPRESSOR STATION	UNNAMED DITCHES - GUM BAYOU-SERPENT BAYOU	480	45	45	expected flow is from new app; permit has 400 gpd; No Impact - Not modeled
FENTON, VILLAGE OF (STP)	LAG 560102	1	sanitary sewage	45,000 GPD EXT. AIR T.P.	DITCH-LITTLE BAYOU-BAYOU SERPENT	36000	20	20	Class III permit for Q< 50,000; App indicates a design flow of 36,000 gpd; DMRs indicate wide variation from month to month; need uncalibrated model
Mobile City Campground	LAG 540826	1	sanitary sewage	CAMPGROUND/STP	LOCAL-BAYOU SERPEANT	6250	30	30	Class II permit for Q< 25,000; App indicates a design flow of 6,250 gpd based on 125 campsites; discontinuous flow, seasonal, ditch dry during recon; No Impact - Not modeled
WOODLAWN COMPRESSOR STA	LA 0111881	1	storm water runoff	NAT GAS COMPRESSOR STA	BAYOU ARCENEAUX				No Impact - Not modeled
WOODLAWN COMPRESSOR STA	LA 0111881	2	sanitary sewage	NAT GAS COMPRESSOR STA	BAYOU ARCENEAUX	500			No Impact - Not modeled
FACILITY	**FILE_NUM**	**Out-fall No.**	**OUTFALL DESCRIPTION**	**FAC_TYPE**	**REC_WATER**	**EXPECTED FLOW, GPD**	**BOD, mg/L**	**TSS, mg/L**	**MODELING COMMENTS**
WOODLAWN COMPRESSOR STA	LA 0111881	3	storm water runoff	NAT GAS COMPRESSOR STA	BAYOU ARCENEAUX				No Impact - Not modeled

RICE ACRES WELL PIPELINE	LAR 10B045	1	unknown	CONST SWGP	LITTLE BAYOU				Construction activities storm water only; potential for discharge is "unlikely";
IOWA GAS PLT	LA 0093921	1	sanitary sewage	NATURAL GAS PROCESSING	UNNAMED DITCH - LOUISIANA IRRIGATION CANAL - BAYOU ARCENEAUX - CALCASIEU RIVER	1080	45	45	Zero discharge system was installed but there are bypasses which can be used to divert any overflow to the stream. Discharges to English Bayou, not Bayou Serpent

The existing point sources have no impact on the main stem of Bayou Serpent and require no changes to their permitted discharges.

030702

English Bayou

TMDL/WLA for BOD

Calcasieu Sewer District # 11	0.22 MGD	10 $CBOD_5$/10 NH_3-N/2 DO

030804

Little River

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Little River, 030804

	Summer season (Mar – Nov)		Winter season (Dec – Feb)	
Point source allocations (WLA)	BOD Load (lbs./day)	% of TMDL	BOD Load (lbs./day)	% of TMDL
Total point source allocations (WLA)	0	0	0	0
Point source margin of safety (MOS)	0	0	0	0
Headwater/Tributary Loads	9	1	91	10
Benthic Loads (based upon nonpoint and SOD loads used in the projection)	1155	88	693	74
Incremental Loads	148	11	148	16
Total maximum daily load (TMDL)	1312	100	932	100
Nonpoint source margin of safety (MOS for benthic, incremental, and boundary loads)	262	20	186	20

Point source dischargers:

At the time that this TMDL was developed, Subsegment 030804 was void of any known oxygen-demanding point source dischargers. There is a CECOS facility along the lower reaches of Little River. Based upon permit file research and a site visit during the reconaissance survey, it was determined that all of the cells and lagoons at this site have been closed. The company uses this facility only for deep well injection. According to the permit file information, this facility discharges stormwater at three different outfalls during rainfall events. It is not permitted for oxygen-demanding substances.

030805

Indian Bayou

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Indian Bayou, 030805

Current Standard:	Summer season (Mar - Nov)		Winter season (Dec - Feb)	
	BOD Loading (lbs/day)	% of TMDL	BOD Loading (lbs/day)	% of TMDL
Headwater/Tributary Loads	18	0.22	65	0.74
Benthic Loads	5,604	79.78	5,604	79.26
Point Source Loads	0	0	0	0
Margin Of Safety	1,401	20.00	1,401	20.00
Reduction of man-made nonpoint	60%		60%	
Total maximum daily load (TMDL)	7,024	100	7,070	100

The dischargers located in this watershed will be given effluent limitations according to the state effluent limitations policy.

030806

Houston River

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Houston River, 030806

	3 mg/L DO, Mar-Nov	5 mg/L DO, Dec-Feb
Point Source WLA, lb/day of oxygen demand	322	322
Point Source MOS, lb/day of oxygen demand	79	79
Nonpoint LA, lb/day of oxygen demand	7162	11262
Nonpoint MOS, lb/day of oxygen demand	0	988
TMDL, lb/day of oxygen demand	7563	12651

Permit Limits for Facilities Included in the Houston River TMDL Model:

City of DeQuincy (discharges to Buxton Creek 13.5 miles from the Houston River)
LA0038709
1.1 MGD
10 mg/L $CBOD_5$/2 mg/L NH_3-N/5 mg/L DO

Permit Limits for Facilities Not Included in the Houston River TMDL Model

FACILITY	CURRENT PERMIT LIMITS (BOD_5/NH_3-N), mg/L	POLICY PERMIT LIMITS ($CBOD_5$/NH_3-N), MONTHLY AVERAGE, mg/L
BIG OAKS RV PARK LAG530081	45/none (weekly average)	30/policy
DEQUINCY MIDDLE SCH, CALCASIEU PAR SCH BD, LAG540207	30/none (monthly average)	30/policy
PIERCE ACRES MOBILE HOME PARK LAG540561	30/none (monthly average)	30/policy
WESTERN GARDEN APT, CALHOUN PROPERTY MGMT INC LAG540855	30/none (monthly average)	30/policy

Turbidity, TSS, TDS, Cl TMDLs
For
Calcasieu River Basin Subsegments

030702 English Bayou for Turbidity
http://www.epa.gov/region6/water/ecopro/latmdl/engtss(f).pdf

LAKE PONTCHARTRAIN BASIN

TMDLS/WLAS

040501

Joseph's Branch

City of Greensburg	0.11 MGD	10 $CBOD_5$/2 NH_3-N (Summer/May-October) Secondary (Winter/November-April)

MERMENTAU RIVER BASIN

TMDLS/WLAS

Fecal Coliform TMDLs
For
Mermentau River Basin Subsegments

050101 Bayou des Cannes
http://www.epa.gov/region6/water/ecopro/latmdl/bayoudescannesfecal_f.pdf

050102 Bayou Joe Marcel
http://www.epa.gov/region6/water/ecopro/latmdl/joemarcelfecal.pdf

050201 Bayou Plaquemine Brule
http://www.epa.gov/region6/water/ecopro/latmdl/bayouplaqueminebrulefecal_f.pdf

050301 Bayou Nezpique
050303 Bayou Castor
http://www.epa.gov/region6/water/ecopro/latmdl/bayounezpiquecastorfecal_f.pdf

Turbidity, TSS, TDS, Cl TMDLs
For
Mermentau River Basin Subsegments

Mermentau River Basin http://www.epa.gov/region6/water/ecopro/latmdl/mermentautss_f.pdf

050501 Bayou Queue de Tortue
http://www.epa.gov/region6/water/ecopro/latmdl/bayouqueuedetortueturbidity_f.pdf

050703 White Lake
http://www.epa.gov/region6/water/ecopro/latmdl/whitelaketds_f.pdf

http://www.epa.gov/region6/water/ecopro/latmdl/whitelakechloride_f.pdf

Mercury TMDL
For
Mermentau River Basin

Mermentau River Basin http://www.epa.gov/region6/water/ecopro/latmdl/mercurytmdls_f.pdf

Pesticides TMDLs
For
Mermentau River Basin

Fipronil http://www.epa.gov/region6/water/ecopro/latmdl/fipronil_merm(f).pdf

Carbofuran http://www.epa.gov/region6/water/ecopro/latmdl/carbofuran_mermvt(f).pdf

TMDL for BOD

050501

Bayou Queue de Tortue

City of Duson 0.190 MGD 10 $CBOD_5$/5 NH_3-N/6 DO (Summer/Mar-Nov)
30 $CBOD_5$/15 NH_3-N/5 DO (Winter/Dec-Feb)

TMDL for Bayou Queue de Tortue

	Summer season (Mar – Nov)		Winter season (Dec – Feb)	
Point source allocations (WLA)	Load (lbs./day)	% of TMDL	Load (lbs./day)	% of TMDL
Total point source allocations (WLA)	79.8	0.16	239.5	0.63
Point source margin of safety (MOS)	20.0	0.04	59.9	0.16
Headwater/Tributary Loads	4.5	0.009	45.0	0.12
Benthic Loads	48,339.9	99.8	37,857.3	99.10
Reduction of man-made nonpoint	60 %		60 %	
Nonpoint source margin of safety (MOS)	0 %		0 %	
Total maximum daily load (TMDL)	48,444	100.0	38,202	100.0

TMDL for BOD
Bayou des Cannes
050101, 050103, 050201

Total Maximum Daily Load (Sum of CBOD, NH3N, and SOD) for Bayou des Cannes

ALLOCATION	SUMMER (MAR-NOV) (lbs/day)	WINTER (DEC-FEB) (lbs/day)
Point Source WLA	228	228
Point Source Reserve MOS	57	57
Headwater/Tributary Loads	2,027	5,577
Benthic Loads	14,324	14,324
TMDL	16,636	20,186

Town of Iota 10 mg/L $CBOD_5$/10 mg/L NH_3-N + post reaeration (Summer/Mar-Nov)
10 mg/L $CBOD_5$/10 mg/L NH_3-N/2 mg/L DO (Winter/Dec-Feb)

TMDL for BOD
Bayou Plaquemine Brule and Tributaries
050201

Facility	Flow (mgd)	Permit limitations (BOD_5/NH_3-N/DO) Summer	Winter	Projected limits (BOD_5/NH_3-N/DO) Summer	Winter
Church Point POTW	0.80	10/2/6	10/10/6	10/2/5	20/10/6
Atwood Acres STP	.046	20/-/-	---	10/5/5	30/15/6
Acadian Fine Foods STP	.025	20/-/-	---	20/10/2	30/15/2
North Rayne POTW	.020	20/-/-	---	20/10/2	30/15/2
Crowley High School POTW	.034	30/-/-	---	10/5/5	30/15/6
Crowley POTW	2.47	5/2/5	10/2/5	5/5/5	10/5/6
Rayne POTW	1.50	10/-/-	---	10/5/5	10/5/6
Estherwood POTW	.080	10/-/-	---	10/10/2	30/15/2

Total Maximum Daily Load (Sum of CBOD, NH3N, and SOD) for Bayou Plaquemine Brule

Point source allocations (WLA)	Summer season (Mar – Nov) Load	% of TMDL	Winter season (Dec – Feb) Load	% of TMDL
Church Point POTW	211 lbs/day		594 lbs/day	
Atwood Acres STP	17.1 lbs/day		51.3 lbs/day	
Acadian Fine Foods STP	18.6 lbs/day		28.0 lbs/day	
North Rayne POTW	25.6 lbs/day		38.4 lbs/day	
Crowley High School POTW	8.9 lbs/day		26.7 lbs/day	
Crowley POTW	680 lbs/day		917 lbs/day	
Rayne POTW	557 lbs/day		557 lbs/day	
Estherwood POTW	22.1 lbs/day		44.7 lbs/day	
Total point source allocations (WLA)	1540 lbs/day	7.3	2256 lbs/day	10.5
Point source margin of safety (MOS)	385 lbs/day	1.8	564 lbs/day	2.6
Nonpoint allocation (LA)	19303 lbs/day	90.9	18701 lbs/day	86.9
Reduction of man-made nonpoint	50 %		50 %	
Nonpoint source margin of safety (MOS)	0 %		0 %	
Total maximum daily load (TMDL)	21227 lbs/day		21522 lbs/day	

TMDL for BOD
Bayou Nezpique and Tributaries
050301, 050302, 050303, 050304

PERMIT NO.	FACILITY	CURRENT FLOW, MGD	CURRENT LIMITS, mg/l	MODELED FLOW, MGD	SUMMER PROJECTION LIMITS, mg/l	WINTER PROJECTION LIMITS, mg/l
LA0033430	OAKDALE, CITY OF (WWTP)	1.46	10BOD5/15TSS	1.83	10BOD5/10NH3/6DO	10BOD5/10NH3/5DO
LA0079057	PINE PRAIRIE, VILLAGE OF (STP)	0.1	10BOD5/15TSS	0.13	10BOD5/10NH3/6DO	10BOD5/10NH3/5DO
LA0109452	REDDELL STP	0.068	10BOD5/15TSS/5NH3/5DO-SUMMER 20BOD5/15TSS/10NH3/5DO-WINTER	0.084	5BOD5/5NH3/6DO	10BOD5/5NH3/5DO
LAG560049	EVANGELINE SEWER CO INC	0.0364	20BOD5/20TSS	0.05	10BOD5/5NH3/6DO	20BOD5/10NH3/5DO
LA0020125	MAMOU, TOWN OF (WWTP)	0.6	10BOD5/15TSS/2NH3/5DO	0.75	10BOD5/2NH3/5DO	10BOD5/2NH3/5DO
LA0020087	OBERLIN, TOWN OF (STP)	0.363	10BOD5/15TSS	0.45	5BOD5/2NH3/6DO	10BOD5/10NH3/5DO
LA0061719	ELTON, TOWN OF (WWTP)	0.193	10BOD5/15TSS	0.24	5BOD5/2NH3/6DO	10BOD5/10NH3/5DO
LA0044865	BASILE WWTP	0.5	10BOD5/15TSS	0.63	5BOD5/2NH3/6DO	10BOD5/7.5NH3/5DO
LA0041769	JENNINGS, CITY OF (STP)	2.5	10BOD5/15TSS	3.13	5BOD5/2NH3/6DO	5BOD5/5NH3/6DO

Total Maximum Daily Load (Sum of CBOD, NH3N, and SOD) for Bayou Nezpique

ALLOCATION	SUMMER (MAR-NOV) (lbs/day)	WINTER (DEC-FEB) (lbs/day)
Point Source WLA	1,646.13	2294.95
Point Source Reserve MOS	411.53	573.75
Natural Nonpoint Source LA	12,394.65	9,446.57
Natural Nonpoint Source Reserve MOS	3,098.66	2,361.64
Manmade Nonpoint Source LA	959.80	1,011.28
Manmade Nonpoint Source Reserve MOS	239.95	252.82
TMDL	18,750.73	15,940.97

TMDL for BOD
Mermentau River
050401

Facility Discharge Limits

PERMIT NO.	FACILITY	CURRENT FLOW, MGD	CURRENT LIMITS, mg/l	MODELED FLOW, MGD	SUMMER PROJECTION LIMITS, mg/l	WINTER PROJECTION LIMITS, mg/l
	Village of Mermentau	0.085	10BOD5/15TSS	0.106	10BOD5/10NH3	10BOD5/10NH3
	BCI LA / Shepherd Oil ethanol plant	1.4	20BOD5/30TSS	1.75	10BOD5/10NH3	20BOD5/10NH3

Total Maximum Daily Load for Mermentau River

ALLOCATION	SUMMER (MAR-NOV) (lbs/day)	WINTER (DEC-FEB) (lbs/day)
Point Source WLA	817	1085
Point Source Reserve MOS	204	271
Natural/Manmade Nonpoint Source LA	37,702	35,981
Headwater/Tributary Source LA	2188	5412
TMDL = WLA + LA + MOS	40,910	42,749

TMDL for BOD
Bayou Lacassine
050601

Facility Discharge Limits

Town of Welsh	10 $CBOD_5$/2 NH_3-N/5 DO (Summer/Mar-Nov) 10 $CBOD_5$/15 NH_3-N/2 DO (Winter/Dec-Feb)

BOD and Nutrients TMDLs
For
Mermentau River Basin Subsegments

050101 Bayou des Cannes
http://www.epa.gov/region6/water/ecopro/latmdl/bayoudesnutrients_f.pdf

050103 Bayou Mallet for BOD, Nutrients, and Ammonia
http://www.epa.gov/region6/water/ecopro/latmdl/ftnmallet.pdf

050201 Bayou Plaquemine Brule for Ammonia
http://www.epa.gov/region6/water/ecopro/latmdl/bayouplaqueminebrule_nh3_f.pdf

050301 Bayou Nezpique
http://www.epa.gov/region6/water/ecopro/latmdl/bayouneznutrients_f.pdf

050401 Mermentau River for Ammonia
http://www.epa.gov/region6/water/ecopro/latmdl/mermentau_nh3_f.pdf

050402, 050602, 050701, 050702 Lake Arthur, Grand Lake, GIWW
http://www.epa.gov/region6/water/ecopro/latmdl/ftnlakearthur.pdf

050603 Bayou Chene for BOD
http://www.epa.gov/region6/water/ecopro/latmdl/ftnchene.pdf

050802, 050901 Big Constance Lake and Mermentau Basin Coastal Waters
http://www.epa.gov/region6/water/ecopro/latmdl/ftnbigconstance.pdf

VERMILION-TECHE RIVER BASIN

TMDLS/WLAS

Fecal Coliform TMDLs
For
Vermilion-Teche River Basin Subsegments

060205 Bayou Teche
http://www.epa.gov/region6/water/ecopro/latmdl/bayoutechefecal_f.pdf

060208 Bayou Boeuf
http://www.epa.gov/region6/water/ecopro/latmdl/bayouboeuffecal_f.pdf

060801, 060802 Vermilion River
http://www.epa.gov/region6/water/ecopro/latmdl/vermilionfecal_f.pdf

Turbidity, TSS, TDS, Cl, SO_4 TMDLs
For
Vermilion-Teche River Basin Subsegments

Vermilion-Teche River Basin for Total Suspended Solids (TSS)
http://www.epa.gov/region6/water/ecopro/latmdl/vermiliontss_f.pdf

0602, 0607, 0609 Bayou Teche Watershed for TSS
http://www.epa.gov/region6/water/ecopro/latmdl/techetss_f.pdf

060205, 060301 Bayou Teche for Salinity, TDS
http://www.epa.gov/region6/water/ecopro/latmdl/techetds_f.pdf

060102 Cocodrie Lake for Cl, SO_4, TDS
http://www.epa.gov/region6/water/ecopro/latmdl/cocodrielk_cl_sulf_tds_f.pdf

060201, 060202 Bayou Cocodrie for TDS
http://www.epa.gov/region6/water/ecopro/latmdl/bayoucocodrietds_201-202_f.pdf

Temperature TMDL
For
Vermilion-Teche River Basin Subsegments

060206 Indian Creek and Indian Creek Reservoir

http://www.epa.gov/region6/water/ecopro/latmdl/indiancreektemp_f.pdf

TMDL for Copper
Bayou Cocodrie
060201

Copper Wasteload allocation (point source load allocation) = 0.507 lbs/day

Copper TMDL = 0.691 lbs/day

BOD and Nutrients TMDLs
For
Vermilion-Teche River Basin Subsegments

060209 Irish Ditch/Big Bayou
http://www.epa.gov/region6/water/ecopro/latmdl/ftnirishditch.pdf

060210 Bayou Carron
http://www.epa.gov/region6/water/ecopro/latmdl/ftncarron.pdf

060212, 060207 Chatlin Lake Canal/Bayou du Lac and Bayou des Glaises Diversion Channel http://www.epa.gov/region6/water/ecopro/latmdl/ftnchatlin.pdf

060211 West Atchafalaya Borrow Pit Canal
http://www.epa.gov/region6/water/ecopro/latmdl/ftnborrowpit.pdf

060601, 061001 Charenton Drainage Canal and West Cote Blanche Bay
http://www.epa.gov/region6/water/ecopro/latmdl/ftncharenton.pdf

060701 Tete Bayou
http://www.epa.gov/region6/water/ecopro/latmdl/ftntete.pdf

060703 Bayou du Portage
http://www.epa.gov/region6/water/ecopro/latmdl/ftnduportage.pdf

060803 Vermilion River Cutoff
http://www.epa.gov/region6/water/ecopro/latmdl/ftnvermcutoff.pdf

060901 Bayou Petite Anse
http://www.epa.gov/region6/water/ecopro/latmdl/ftnpetiteanse.pdf

060903 Bayou Tigre
http://www.epa.gov/region6/water/ecopro/latmdl/ftntigre.pdf

060904 New Iberia Southern Drainage Canal
http://www.epa.gov/region6/water/ecopro/latmdl/ftnnewiberia.pdf

060907 Franklin Canal
http://www.epa.gov/region6/water/ecopro/latmdl/ftnfranklin.pdf

060908 Spanish Lake
http://www.epa.gov/region6/water/ecopro/latmdl/ftnspanishlake.pdf

060909 Lake Peigneur
http://www.epa.gov/region6/water/ecopro/latmdl/ftnlakepeigneur.pdf

060911 Dugas Canal
http://www.epa.gov/region6/water/ecopro/latmdl/ftndugas.pdf

061103 Freshwater Bayou Canal
http://www.epa.gov/region6/water/ecopro/latmdl/ftnfreshwaterbayou.pdf

TMDL for BOD
Bayou Courtableau
060204

Loads	Summer season (May- Oct)		Winter season (Nov - Apr)	
	Load (lbs/day)	% of TMDL	Load (lbs/day)	% of TMDL
Headwater/Tributary Loads	6,374	21	9,095	28
Benthic Loads	23,369	79	23,369	72
Reduction of man-made nonpoint	30%		30%	
Nonpoint source margin of safety (MOS)	0		0	
Total maximum daily load (TMDL)	29,743	100	32,464	100

TMDL for Ammonia
Bayou Courtableau
060204

http://www.epa.gov/region6/water/ecopro/latmdl/bayoucourtableau_nh3_f.pdf

TMDL for BOD
Bayou Teche
060205, 060301, 060401

Permit Limits for facilities discharging to Bayou Teche (to meet DO criterion of 5 mg/L):

FACILITY	CURRENT PERMIT LIMITS ($CBOD_5$/NH_3-N/DO), mg/L	PROPOSED PERMIT LIMITS ($CBOD_5$/NH_3-N/DO), mg/L
Port Barre, Town of; Port Barre Wastewater Treatment Plant	10/*/*	10/10/2
St. Landry Parish Sewer District #1, Linwood Subdivision	10/*/*	10/10/2
CBS Enterprises, CBS Mobile Home Park (east pond)	30/*/*	30/15/2
St. Landry Parish School Board, Leonville High School	30/*/*	30/15/2
St. Martin Parish School Board, Teche Elementary School	30/*/*	30/15/2
Acadiana Treatment Sys Inc, Magenta Plantation Townhomes Subdivision	45/*/*	45/15/2
Dallas Trailer Park	45/*/*	45/15/2
LA Sugar Cane Coop Inc, Breaux Bridge Branch	*/*/*	0/0/2 (once-through non-contact cooling water)
Bent Oak Trailer Park	30/*/*	30/15/2
St. Martin Parish Police Jury, St.Martinville Industrial Park Wastewater Treatment Plant	10/*/*	5/2/2
Loreauville, Village of	10/*/*	10/10/2
Breaux's Bay Craft Inc	45/*/*	45/15/2
Iberia Parish Sewerage Dist #1, Breaux Estates Subdivision	30/*/*	30/15/2
Cajun Sugar Coop., Inc.; Cajun Sugar Factory	15/*/* (calculated from mass limit)	5/0/5 (Sugar mills are not a source of ammonia)
Louisiana Water Co.-New Iberia Water Treatment Plant	*/*/*	2/1/2
Iberia Sugar Coop., Inc.	Outfall 004: 18/*/* (calculated from mass limit) Outfall 006: */*/*	18/0/2 (Sugar mills are not a source of ammonia) 0/0/2 (once-through non-contact cooling water)
Bayou Side Trailer Park	45/*/*	45/15/2
Mosquito Control Contractors Inc. (MCCI)	45/*/*	45/15/2

*Currently not permitted for this parameter

TMDL for BOD
Bayou Teche
060205, 060301, 060401

Permit Limits for facilities discharging to Bayou Teche (to meet DO criterion of 5 mg/L):

Iberia Parish Government, Rosedale Subdivision	30/*/*	30/15/2
Iberia Parish School Board, Jeanerette Sr. High School	30/*/*	30/15/2
Yellow Bowl Restaurant	45/*/*	45/15/2
Cypress Bayou Casino	10/*/*	10/10/2

*Currently not permitted for this parameter

Calculation of the TMDL, Winter, 5 mg/L DO			
Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	3,157		789
Headwater / Tributary loads		23,922	
Benthic loads		5,314	
SUB-TOTAL	**3,157**	**29,236**	**789**
TMDL = WLA + LA + MOS		***33,183***	

Calculation of the TMDL, Summer, 5 mg/L DO			
Load description	WLA (lbs/day)	LA (lbs/day)	Reserve/ MOS Load (lbs/day)
Point Source loads	1,624		406
Headwater / Tributary loads		25,100	
Benthic loads		9,441	
SUB-TOTAL	**1,624**	**34,541**	**406**
TMDL = WLA + LA + MOS		***36,572***	

TMDL for BOD
Bayou Boeuf
060208

http://www.epa.gov/region6/water/ecopro/latmdl/bayouboeufnutrient.pdf

TMDL for BOD and Nutrients
Bayou Cocodrie/Cocodrie Lake/Chicot Lake
060201, 060202, 060101, 060102, 060203

Facility Discharge Limits

Facility	Flow (mgd)	Projected limits (BOD_5/NH_3-N /DO) Summer	Winter
City of Glenmora WWTP	0.30	10/15	10/15
Village of Forest Hill WWTP	0.08	10/15	10/15
CLECO Coughlin Power Station	118	2.7/0	2.7/0.09
Chicot State Park	0.01	30/15	30/15
Plaquemines Alligator Farm	0.10	10/5	10/50

060102 Cocodrie Lake for Ammonia
http://www.epa.gov/region6/water/ecopro/latmdl/cocodrielk_nh3_nap_f.pdf

060202 Bayou Cocodrie for Nutrients
http://www.epa.gov/region6/water/ecopro/latmdl/bayoucoconutrients_f.pdf

060203 Chicot Lake for Nutrients
http://www.epa.gov/region6/water/ecopro/latmdl/chicotnutrients_f.pdf

TMDL for BOD
Lake Fausse Pointe/Lake Dauterive
060702

Total Maximum Daily Load (Sum of CBOD, NH_3N, and SOD).

Source	**Summer (kg/day)**	**Summer (lbs/day)**	**Winter (kg/day)**	**Winter (lbs/day)**
Fausse Pointe State Park WWTP	6.9	15.1	6.9	15.1
City of New Iberia WWTP	1,477.0	3,256.2	1,477.0	3,256.2
St. Mary Sugar Coop	99.4	219.1	99.4	219.1
Total Point Source allocations (WLA)	1,583.2	3,490.4	1,583.2	3,490.4
Point Source MOS	395.8	872.6	395.8	872.6
Natural Nonpoint Source LA	59,438.3	131,038.9	31,892.2	70,310.4
Natural Nonpoint Source MOS	0.0	0.0	0.0	0.0
Manmade Nonpoint Source LA	195,756.4	431,569.0	195,808.8	431,684.6
Manmade Nonpoint Source MOS	48,939.1	107,892.3	48,952.2	107,921.2
TMDL	306,112.7	674,863.2	278,632.3	614,279.1

Current point source discharge limits can be maintained as follows:

PERMIT NO.	**FACILITY**	**CURRENT FLOW (MGD)**	**CURRENT LIMITS (mg/L)**	**MODELED FLOW (MGD)**	**SUMMER PROJECTION LIMITS (mg/L)**	**WINTER PROJECTION LIMITS (mg/L)**
LAG540415	Lake Fausse Pointe State Park	0.01	30 BOD/ 30 TSS	0.0125	Same	Same
LA0065251	City of New Iberia	2.5	10 BOD/ 15 TSS	3.125	Same	Same
LA0005410	St. Mary Sugar Cooperative	1.4	15 BOD/ 50 TSS	1.75	Same	Same

TMDL for BOD
Vermilion River
060801

http://www.epa.gov/region6/water/ecopro/latmdl/vermilionriverdonitrogen_f.pdf

Vermilion-Teche River Basin

Pesticide (Carbofuran) TMDL

http://www.epa.gov/earth1r6/6wq/ecopro/latmdl/carbofuran_mermvt(f).pdf

061201

Vermilion-Teche River Basin Coastal Waters

Hg TMDL

MISSISSIPPI RIVER BASIN

TMDLS/WLAS

070501

Bayou Fountain

City of St. Francisville	0.3 MGD	20 $CBOD_5$/10 NH_3-N/5 DO (Summer/May-Oct) 30 BOD_5/5 DO (Winter/Nov-April)

OUACHITA RIVER BASIN

TMDLS/WLAS

TMDLs for Toxic Pollutants
For
Ouachita River Basin Subsegments

080101 Ouachita River for Mercury
http://www.epa.gov/region6/water/ecopro/latmdl/ouarmercury(f).pdf

080901, 080903, 081001, 081002, 081201 for Selected Pesticides
http://www.epa.gov/region6/water/ecopro/latmdl/ouapesticides(f).pdf

080904, 080912 for Dioxin
http://www.epa.gov/region6/water/ecopro/latmdl/ouadioxin(f).pdf

080101

Ouachita River

TMDL for BOD

Summer Allocations and TMDLs

PARAMETER	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)	TMDL (lbs/day)
UCBOD	21,406	101,947	16,679	140,032
ORG-N	7,334	21,990	4,277	33,601
NH_3-N	3,125	666	855	4,646
SOD	0	5.0	0.6	5.6
TOTAL	31,865	124,608	21,812	178,285

Winter Allocations and TMDLs

PARAMETER	WLA (lbs/day)	LA (lbs/day)	MOS (lbs/day)	TMDL (lbs/day)
UCBOD	28,841	139,057	22,661	190,558
ORG-N	8,505	27,779	5,213	41,497
NH_3-N	3,714	765	1,014	5,493
SOD	0	5.0	0.6	5.6
TOTAL	41,060	167,606	28,888	237,554

Dischargers in subsegment 080101 listed on following page.

Dischargers					Permit limits		
Facility	Outfall no.	Permit no.	Outfall ORM	Design flow (mgd)	Temp (^oF)	$CBOD_5$	NH_3-N
Ouachita Power	001&002	LA0112780	192.90	1.24	99		
Entergy Sterlington	001&002	LA0007579	192.46	159	112		
Town of Sterlington POTW	001	LA0046809	191.81	0.15	30	30 mg/l	
Koch Nitrogen	001	LA0094846	191.36	2.49			342 lb/d
Angus Chemical	002	LA0007854	189.24	0.75		288 lb/d	
* Entergy Monroe	001&002	LA0007765	169.29	116	106		
Riverwood International*	001	LA0007617	160.91	22.6		5.95Q**-240 lb/d	
West Monroe POTW	*	LA0043982		6.87			
City of Monroe POTW	001	LA0038741	159.56	12.0		10 mg/l	2 mg/l

* Effluent combined with Riverwood Outfall 401 and permitted as Riverwood Outfall 001. It was also necessary to reduce the loading from Riverwood Outfall 001, Judy Slough, by 15 percent. The summer season allocation for Riverwood International is lb CBOD5/day = 5.06Q-204, where Q is the seven day running average flow in cfs from the USGS state line slope gauge.

** Q = the 7 day running average of the Ouachita River flow at the state line in cfs.

080102

Bayou Chauvin

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NH_3-N, and SOD) for Bayou Chauvin, 080102

Allocation	Summer (May-Oct)		Winter (Nov-Apr)	
	Kgm/day	Lbs/day	Kgm/day	Lbs/day
Point Source WLA	210	463	584	1288
Point Source Reserve MOS	53	117	146	322
Natural Nonpoint Source LA	97	214	67	148
Natural Nonpoint Source Reserve MOS	0	0	0	0
Manmade Nonpoint Source LA	53	117	100	221
Manmade Nonpoint Source Reserve MOS	15	33	25	55
TMDL	428	944	922	2034

Benthic Load Reductions and Wasteload Allocations/Effluent Limitations Table 1. Benthic Load Reductions and Wasteload Allocations

Model reach	Percent summer reduction of man-made benthic load	Percent winter reduction of man-made benthic load	Facility name	WLA as CBOD5/NH3-N/DO	
				Summer	Winter
1	100	60			
2	100	60			
4	100	60			
5	80	60			
6	80	60	Leisure Village	16/8/5	Secondary
7	80	60	Oakwood Pond #2	8/4/5	20/10/5
8	80	60			
10	80	60			
11	80	60			
13	80	60	North Monroe SD #1	Secondary	Secondary
14	0	0			
16	0	0			
18	0	0			

Model	Percent	Percent	Facility name	WLA as CBOD5/NH3-N/DO

reach	summer reduction of man-made benthic load	winter reduction of man-made benthic load		Summer	Winter
1	100	60			
2	100	60			
4	100	60			
5	80	60			
6	80	60	Leisure Village	16/8/5	Secondary
7	80	60	Oakwood Pond #2	8/4/5	20/10/5
8	80	60			
10	80	60			
11	80	60			
13	80	60	North Monroe SD #1	Secondary	Secondary
14	0	0			
16	0	0			
18	0	0			

Bayou Chauvin TMDL
For Noxious Aquatic Plants

http://www.epa.gov/region6/water/ecopro/latmdl/napchauvin(f).pdf

080603

Bayou D'Arbonne

TMDL for BOD

TMDL for Bayou D'Arbonne (Sum of CBOD, Organic N, Ammonia N, and SOD)

	Summer (July-Sept)		Winter (Oct-June)	
	Reduction	**Load (kg/day)**	**Reduction**	**Load (kg/day)**
Point Source WLA	none	25	none	46
Point Source Reserve MOS (20%)	--	6	--	11
Natural Nonpoint Source LA	0%	401	0%	971
Natural Nonpoint Source MOS (0%)	--	0	--	0
Man-made Nonpoint Source LA	95%	13	85%	132
Man-made Nonpoint Source MOS (20%)	--	5	--	35
TMDL	--	450	--	1195

Dischargers:

City of Dubach (West Pond)
Advanced Treatment

080609

Corney Bayou

TMDL for BOD

TMDL for Corney Bayou (Sum of CBOD, Organic N, Ammonia N, and SOD)

	Summer (July-Sept)		Winter (Oct-June)	
	Reduction	**Load (kg/day)**	**Reduction**	**Load (kg/day)**
Point Source WLA	None	17	None	17
Point Source Reserve MOS (20%)	--	4	--	4
Natural Nonpoint Source LA	0% - 50%	3972	0%	4066
Natural Nonpoint Source MOS (0%)	--	0	--	0
Man-made Nonpoint Source LA	75% - 100%	1524	60% - 80%	2456
Man-made Nonpoint Source MOS (20%)	--	381	--	619
TMDL	--	5898	--	7162

080610

Middle Fork Bayou D'Arbonne

TMDL for BOD

TMDL for Middle Fork for summer DO standard (Sum of CBOD, Organic N, Ammonia N, and SOD)

	Summer (July-Sept)	
	Reduction	**Load (kg/day)**
Point Source WLA	Upgrade 2 facilities to advanced treatment	262
Point Source Reserve MOS (20%)	--	65
Natural Nonpoint Source LA	0%	1902
Natural Nonpoint Source MOS (0%)	--	0
Man-made Nonpoint Source LA	70%	367
Man-made Nonpoint Source MOS (20%)	--	93
TMDL	--	2689

Dischargers:

City of Bernice
Upgrade to Advanced Treatment

David Wade Correctional Center
Outfall 003
Upgrade to Advanced Treatment

David Wade Correctional Center
Outfalls 001, 002
Advanced Treatment

City of Haynesville
Advanced Treatment

080901

Boeuf River

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Boeuf River, 080901

ALLOCATION	SUMMER		WINTER	
	% Reduction Required	(MAY-OCT) (lbs/day)	% Reduction Required	(NOV-APR) (lbs/day)
Point Source WLAs		1790		1934
Point Source Reserve MOS @ 20%		447		483
Nonpoint Source LA	90% in Middle and Lower Sections	82971	20% in Middle Section	161907
Nonpoint Source Reserve MOS @ 10% of Man-Made	10	2358	10	24294
TMDL		87566		188618

Dischargers:

Town of Rayville
Upgrade from effluent limits of 10 mg/l BOD_5/5 mg/l NH_3N to effluent limits of 5 mg/l BOD_5/5 mg/l NH_3N

All other dischargers remain at their current permit limits.

080903

Big Creek

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NBOD, and SOD) for Big Creek, 080903
Current Standard: 5.0 mg/l Critical summer season (May - Oct)

TMDL component loads	BOD Loading (lbs/day)	% of TMDL
Headwater/Tributary Loads	33	0.13
Benthic Loads	22,317	89.73
Point Source Loads*	891	3.60
Margin Of Safety	1,634	6.54
Reduction of man-made nonpoint	35% - 75%	
Total maximum daily load (TMDL)	24,875	100

* Dischargers listed on following page.

080903

Big Creek

Dischargers Pt. Source / Facility Description and Reach #	Receiving Stream	Included in the Projection Model (Yes/No)	Anticipated/ design flow (cms)	Proposed Permit Limits	
				$CBOD_5$ (mg/l)	NH_3N (mg/l)
Mangham Wastewater Treatment Plant - LA0032115	Big Creek	Yes	0.0028	10.0	10.0
Allen Canning Company - Vegetable canning plant - LA000781 - Outfall 001 & 004	Unnamed drainage canal, thence into Deer Creek, thence into Little Hurricane Creek, thence into Colewa Bayou	No	0.0006573	30.0	15.0
Allen Canning Company - Vegetable canning plant - LA000781 - Outfall 002 & 003	Unnamed drainage canal, thence into Deer Creek, thence into Little Hurricane Creek, thence into Colewa Bayou	No	0.0153361	45.0	15.0
Oak Grove Wastewater Treatment Facility - LA0043648	Unnamed ditch, thence into Little Colewa Bayou, thence into Big Creek, Thence into Boeuf River	No	0.0131453	15.0	10.0
EPPS Compressor Station #66 - LA0007625	Unnamed highway ditch; thence into Big Colewa Creek; thence into Big Creek	No	0.0001315	45.0	15.0
Elysian Fields WWTP - LAG540290	Unnamed ditch, thence into Hwy 135 roadside ditch, thence into Little Creek, thence into Big Creek	No	0.0021909	45.0	15.0
Sugar Hill Community - LAG540138	Unnamed ditch, thence into Big Creek, thence into Bayou Boeuf	No	0.0009859	45.0	15.0
Bee Bayou Truck Stop - LA0111741	Unnamed ditch, thence into Cow Bayou, thence into Big Creek	No	0.0001315	45.0	15.0
Mangham Square Apartment - LAG540492	Unnamed ditch, thence into Buzzard Creek, thence into Big Creek	No	0.0009859	45.0	15.0
Branch Crossing STP - LAG530224	unnamed ditch, thence into Burns Bayou, thence into Bee Bayou.	No	0.0001928	45.0	15.0
LI Ready Mix Plant #27 - LAG110071	Unnamed ditch, thence into Little Creek, thence into Big Creek	No	0.0002191	45.0	15.0

080909

Crew Lake

TMDL for BOD

Total Maximum Daily Load (Sum of CBOD, NH_3-N, and SOD)

ALLOCATION	Annual	
	% Reduction Required	(Jan-Dec) (lbs/day)
Point Source WLA*	0	18
Point Source Reserve MOS	0	4
Natural Nonpoint Source LA	0	891
Natural Nonpoint Source Reserve MOS	0	0
Manmade Nonpoint Source LA	95	357
Manmade Nonpoint Source Reserve MOS	0	40
TMDL		1310

* A facility review was performed at the time this TMDL was developed. Most of the dischargers in this watershed are small and located on tributaries or ditches to the 303(d) listed waterbody. These were not included in the TMDL model. It is unlikely that they will have an impact on the targeted waterbody due to the small load and/or the distance from the waterbody named on the 303(d) lists. These dischargers are included in the TMDL load calculations using their current state policy based permit limits along with their anticipated flows. Thus, they can continue to be permitted based on the State effluent limitations policy.

081501

Castor Creek

TMDL for BOD

TMDL to meet DO Standard of 5 mg/L	Summer season (May - Oct)		Winter season (Nov - Apr)	
	BOD Loading (lbs/day)	% of TMDL	BOD Loading (lbs/day)	% of TMDL
Total point source allocations	0	0	0	0
(WLA)	0	0	0	0
Point source margin of safety (MOS)	2	0.03	25	0.01
Headwater/Tributary Loads				
Benthic Loads	4,807	79.77	2,442	98.52
Incremental Loads	12	0.20	12	0.47
Nonpoint source margin of safety (MOS)	1,205	20.00	619	20.00
Total maximum daily load (TMDL)	6,026	100	3,098	100

Dischargers:

Several point sources fall within the Castor Creek subsegment. These facilities were deemed either intermittent stormwater or minor discharges on unnamed tributaries and were not included in this model. Limits for these small facilities are generally set by state policy or guidelines and can continue as such.

081504

Flat Creek

TMDL for BOD

Calculation of the TMDL for the current DO criterion of 5.0 mg/L year-round			
Load description	WLA (lbs/day) (oxygen-demanding pollutants)	LA (lbs/day) (oxygen-demanding pollutants)	Reserve/ MOS Load (lbs/day)
Point Source loads	22		6
Headwater / Tributary loads		10	
Benthic loads		2,171	0
SUB-TOTAL	**22**	**2,181**	**6**
TMDL = WLA + LA + MOS		***2,209***	

Dischargers:

Village of Sikes (LAG540647) discharges 20,000 gallons per day into a tributary of Flat Creek. The Village of Sikes will receive monthly average effluent limits of 30 mg/L BOD_5 and 15 mg/L NH_3-N (Statewide Sanitary Effluent Limitations Policy).

081003

Deer Creek

Town of Wisner 0.2034 MGD 10 BOD_5/15 TSS/5 NH_3-N/5 DO

080912

Tisdale Brake/Staulkinghead Creek

Town of Bastrop (Main Plant)	0.7 MGD	10 BOD_5/15 TSS/5 NH_3-N/5 DO
Town of Bastrop (West Pond)	0.4 MGD	20 BOD_5/20 TSS/10 NH_3-N/5 DO

081608

Big Creek

Town of Dry Prong	0.14 MGD	10 $CBOD_5$/5 NH_3-N /6 DO (Summer/April-Oct) 10 $CBOD_5$/10 NH_3-N /6 DO (Winter/Nov-March)
Town of Pollock	0.108 MGD	30 BOD_5/15 NH_3-N (year-round)

BOD and Nutrients TMDLs
For
Ouachita River Basin Subsegments

080201 Ouachita River
http://www.epa.gov/region6/water/ecopro/latmdl/ouachitado(f).pdf

080302 Black River
http://www.epa.gov/region6/water/ecopro/latmdl/blackdo(f).pdf

080501 Bayou de L'Outre
http://www.epa.gov/region6/water/ecopro/latmdl/deloutredo(f).pdf

080607 Corney Bayou
http://www.epa.gov/region6/water/ecopro/latmdl/corneydo(f).pdf

080902 Bayou Bonne Idee
http://www.epa.gov/region6/water/ecopro/latmdl/bonneideedo(f).pdf

080904 Bayou Lafourche
http://www.epa.gov/region6/water/ecopro/latmdl/lafourchedo(f).pdf

080910 Clear Lake
http://www.epa.gov/region6/water/ecopro/latmdl/clearlakedo(f).pdf

081002 Joes Bayou
http://www.epa.gov/region6/water/ecopro/latmdl/joesdo(f).pdf

081201 Tensas River
http://www.epa.gov/region6/water/ecopro/latmdl/tensasdo(f).pdf

081202 Lake St. Joseph
http://www.epa.gov/region6/water/ecopro/latmdl/stjosephdo(f).pdf

Fecal Coliform TMDLs
For
Ouachita River Basin Subsegments

080102 Bayou Chauvin
http://www.epa.gov/region6/water/ecopro/latmdl/fcchauvin(f).pdf

080610 Middle Fork Bayou D'Arbonne
http://www.epa.gov/region6/water/ecopro/latmdl/fcmfbdarbonne(f).pdf

080905 Turkey Creek
http://www.epa.gov/region6/water/ecopro/latmdl/fcturkeycr(f).pdf

080910 Clear Lake
http://www.epa.gov/region6/water/ecopro/latmdl/fcclearlake(f).pdf

081001 Bayou Macon
http://www.epa.gov/region6/water/ecopro/latmdl/fcmacon(f).pdf

081602 Little River
http://www.epa.gov/region6/water/ecopro/latmdl/fclittler(f).pdf

Turbidity, TSS, TDS, Cl, SO_4 TMDLs
For
Ouachita River Basin Subsegments

Ouachita River Basin (13 subsegments) for TSS, Turbidity
http://www.epa.gov/region6/water/ecopro/latmdl/ouachitatss(f).pdf

081501 Castor Creek for Cl, TDS/Salinity
http://www.epa.gov/region6/water/ecopro/latmdl/castorcl_tds(f).pdf

PEARL RIVER BASIN

TMDLS/WLAS

RED RIVER BASIN

TMDLS/WLAS

100101

Posey Branch

City of Coushatta	0.185 MGD	30 BOD_5/90 TSS/6 DO

100305

Mahlin Bayou/McCain Creek

Discharger	Design Flow (MGD)	Effluent Limits (BOD_5/TSS/NH_3-N/DO)
Caddo Sewer District #7	1.0	30/30/15/5
Town of Blanchard POTW	0.5	20/20/10/5
Hillside Mobile Home Park	0.0309	20/20 *
Country Aire MHP	0.0204	30/30 *
Northwood MHP	0.0168	30/30 *

* Based on the Statewide Sanitary Effluent Limitations Policy, ammonia (NH3) limitations are assumed to be one half the BOD_5 loading.

100402

Red Chute Bayou

Effluent Limits:

20 $CBOD_5$/10 NH_3-N/2 DO May-October
30 $CBOD_5$/15 NH_3-N/2 DO November-April

Discharger	Design Flow (MGD)
Dogwood North	0.175
East Highland	0.030
Espanita Forest	0.059
Dogwood South	0.299

100710

Unnamed Tributary to Grand Bayou

Town of Hall Summit	0.056 MGD	10 $CBOD_5$/15 TSS/10 NH_3-N

100801

Saline Bayou

Village of Saline	0.034 MGD	20 $CBOD_5$/20 TSS

100804

Unnamed Tributary to Saline Bayou

City of Arcadia	0.85 MGD	10 $CBOD_5$/2 NH_3-N/6 DO

SABINE RIVER BASIN

TMDLS/WLAS

TERREBONNE BASIN

TMDLS/WLAS

APPENDIX A

AREAWIDE POLICY FOR LOWER LAKE PONTCHARTRAIN BASIN SEGMENT 0401

This areawide policy applies to all sanitary wastewater treatment facilities located in the following *listed* named waterbodies or those waterbodies which contribute to and are contained within the drainage area of the listed waterbodies in the lower half of Segment 0401 of the Lake Pontchartrain Basin[1]:

Draughan Creek
Beaver Bayou
Airforce Depot Canal
Shoe Creek
Hurricane Creek
Jones Bayou
Blackwater Bayou
Cypress Bayou (below Baker Canal)
White Bayou (below Baker Canal)
South Canal
Saunders Bayou
Redwood Creek

This areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater shall be assigned effluent limitations as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   NH_3-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 25,000 gpd and less than 100,000 gpd or all other facilities having a expected flow greater than or equal to 25,000 gpd and less than 100,000 gpd will be assigned effluent limitations as follows:

   BOD_5 10 mg/l (avg) 15 mg/l (max)

3. Effluent limitations for POTW's having a design capacity of less than 25,000 gpd or all other facilities having an expected flow of less than 25,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

[1] The Baker Canal, upper White Bayou, and upper Cypress Bayou and their tributaries are excluded.

AREAWIDE POLICY FOR LAKE PONTCHARTRAIN BASIN SEGMENT 0402

This areawide policy applies to all sanitary wastewater treatment facilities located in the following areas:

Ascension Parish
East Baton Rouge Parish
Iberville Parish

and which discharge directly into Bayou Manchac or any other waterbodies which contribute to and are contained in the Bayou Manchac drainage area in Segment 0402 of the Lake Pontchartrain Basin. This includes but is not limited to the following waterbodies:

Bayou Fountain
Wards Creek
Dawson Creek
Alligator Bayou
Welsh Gully
Cotton Bayou
Muddy Creek

This areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater will be assigned effluent limitations as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   NH_3-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 25,000 gpd and less than 100,000 gpd or all other facilities having an expected flow greater than or equal to 25,000 gpd and less than 100,000 gpd will be assigned effluent limitations as follows:

   BOD_5 10 mg/l (avg) 15 mg/l (max)

3. Effluent limitations for POTW's having a design capacity of less than 25,000 gpd or all other facilities having an expected flow of less than 25,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

AREAWIDE POLICY FOR LAKE PONTCHARTRAIN BASIN SEGMENT 0403

This areawide policy applies to all sanitary wastewater treatment facilities discharging directly into the Amite River or any of the following waterbodies or tributaries to these waterbodies (includes but is not limited to) in segment 0403 as follows:

East Baton Rouge Parish

Redman Lake
Clay Cut Bayou
Jones Creek
Honey Cut Bayou
Hub Bayou
Sandy Creek
Kidds Creek
Whittten Creek

Northwest Livingston Parish

Spillers Creek
Clayton Creek
Beaver Creek
Colton Creek
Long Slash
Gray's Creek
Colyell Bay

The areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater will be limited as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   NH_3-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 25,000 gpd and less than 100,000 gpd or all other facilities having an expected flow greater than or equal to 25,000 gpd and less than 100,000 gpd will be limited as follows:

   BOD_5 10 mg/l (avg) / 15 mg/l (max)

3. Limitations for POTW's having a design capacity of less than 25,000 gpd or all other facilities having an expected flow of less than 25,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

AREAWIDE POLICY FOR ST. TAMMANY PARISH

This areawide policy applies to all sanitary wastewater treatment facilities in the following area:

St. Tammany Parish

All sanitary wastewater treatment facilities which discharge directly into any of the following waterbodies or into waterbodies which contribute to and are contained within the drainage area of both the Lake Pontchartrain Basin and the Pearl River Basin. These waterbodies include, but are not limited to the following:

West Pearl River
Bayou Lacombe
Tchefuncte River
Bogue Falaya River
Abita River
Bayou Bonfouca
Bayou Liberty
Lake Pontchartrain

This areawide effluent limitations policy is as follows:

1. All Publicly Owned Treatment Works (POTW) having a design capacity of 100,000 gallons per day (gpd) or greater or all other facilities having an expected flow of 100,000 gpd or greater will be limited as follows:

   $CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)

   NH_3-N 5 mg/l (avg) / 10 mg/l (max)

2. All POTW's having a design capacity greater than or equal to 10,000 gpd and less than 100,000 gpd or all other facilities having an expected flow greater than or equal to 10,000 gpd and less than 100,000 gpd will be limited as follows:

   BOD_5 10 mg/l (avg) / 15 mg/l (max)

3. Limitations for POTW's having a design capacity of less than 10,000 gpd or all other facilities having an expected flow of less than 10,000 gpd will be decided on a case-by-case basis.

4. Disinfection will be required.

5. Post-aeration with an effluent dissolved oxygen limit of 5 mg/l may be required on a case-by-case basis.

6. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

AREAWIDE POLICY FOR VERMILION RIVER BASIN SEGMENT 0608

This areawide policy applies to all facilities discharging directly into the Vermilion River or into any named or unnamed waterbodies which contribute to and are contained within the drainage area of the Vermilion River in Segment 0608 of the Vermilion River Basin[1] .

This areawide effluent limitations policy is as follows:

Sanitary Wastewater Treatment Facilities

1. All Publicly Owned Treatment Works (POTW) having a design capacity greater than 25,000 gallons per day (gpd) or any other facility having an expected flow greater than 25,000 gpd will be limited as follows:

April through November

$CBOD_5$ 10 mg/l (avg) / 15 mg/l (max)
NH_3-N 5 mg/l (avg) / 10 mg/l (max)
Dissolved Oxygen 5 mg/l (minimum)

December through March

$CBOD_5$ 20 mg/l (avg) / 30 mg/l (max)
NH_3-N 10 mg/l (avg) / 20 mg/l (max)
Dissolved Oxygen 5 mg/l (minimum)

2. All POTW's having a design capacity less than or equal to 25,000 gpd or all other facilities having an expected flow less than or equal to 25,000 gpd will be limited as follows:

BOD_5 30 mg/l (avg) / 45 mg/l (max)

3. Specific concentration limits for the City of Lafayette POTW's[1] will be established through consultation with local representatives.

4. Disinfection will be required for all sanitary wastewater dischargers.

5. Appropriate TSS limitations shall be assigned by the Administrative Authority on a case-by-case basis. However, at no time shall final TSS effluent limitations be less stringent than the secondary treatment levels defined in LAC 33:IX.709.

Industrial Dischargers

Industrial dischargers will be required to treat to equivalent levels.

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[1] The above effluent limitations were established based upon the wasteload allocation model developed for the Vermilion River (Wasteload Allocation for the Vermilion River, 1987)..

[1] Flows of these plants may be adjusted such that total Wasteload allocation limitations are not exceeded.

APPENDIX B

STATEWIDE SANITARY EFFLUENT LIMITATIONS POLICY

1. The Atchafalaya, Red, and Mississippi Rivers are river systems which because of flow or dispersion would not be significantly impacted by a secondary discharge of the largest size to be reasonably expected from these areas. STP's discharging into these systems will be assigned *SECONDARY TREATMENT.*

2. Dischargers given specific limits in the original Basin Plans will be assigned those limits.

3. Areawide policies adopted by the Department for establishment of effluent limits in specified area of the State, will supersede limits assigned in the original 1980 Basin Plans.

4. Dischargers included in the original Basin Plans with a range of effluent limits will be assigned according to the following schedule:

FLOW	TREATMENT LEVEL MG/L
25,000-100,000 GPD	10 BOD_5/15 TSS
More than 100,000 GPD	10 $CBOD_5$/15 TSS/5 NH_3 [+]
Basin Plan limit of 5/5/2	10 $CBOD_5$/15 TSS/2 NH_3 [+]

5. Remaining dischargers will be assigned effluent limits according to the following schedule:

FLOW	TREATMENT LEVEL MG/L
<25,000 GPD	30 BOD_5/30 OR 90 TSS Secondary[*]
25,000 – 50,000 GPD	20 BOD_5/20 TSS Advanced Secondary
>50,000 GPD	10 BOD_5/15 TSS Advanced

For dischargers greater than 500,000 GPD, these limits will remain in effect until an individual analysis (wasteload allocation or total maximum daily load analysis) is performed.

6. Individual dischargers may request alternate permit limits by performing an individual analysis which is supervised and approved by the Department.

NOTE: The original Basin Plans are the volumes comprising the original 1980 Water Quality Management Plan.

[+] Whenever NH_3 limits are assigned to a facility, $CBOD_5$ will be required rather than BOD_5 .

[*] Louisiana Administrative Code: Volume 14, 33:IX.711D

- Mechanical Treatment Systems = 30 TSS
- Oxidation Ponds = 90 TSS